



LAKE HAVASU CITY

Community Investment Department

**DICK SAMP MEMORIAL PARK
PICKLEBALL COURTS
PROJECT NO. PK1000
ADDENDUM NO. 2
September 23, 2016**

Attention is called to the following changes, additions, clarifications and/or deletions to the original solicitation and they shall be taken into account in preparing submissions:

There is no change in the opening date. **Submissions are due no later than 3:00 p.m., Arizona Time, September 29, 2016**, at the City Clerk's Office, 2330 McCulloch Blvd. N., Lake Havasu City, AZ 86403.

THE CONTRACT DOCUMENTS AND TECHNICAL SPECIFICATIONS ARE AMENDED AS FOLLOWS:

Dick Samp Memorial Park Pickleball Courts - PK1000

- **QUESTIONS AND RESPONSES:** The following questions have been received requiring clarification:

QUESTION 1:

Sec. 027700: #3.04 (B) – The slab will be placed with a sixty foot (60') mechanical screed capable of providing a surface true to +1/4" in 10' at a 0.9% slope. Typical court construction on a slab of this size can be screeded by hand and still obtain tolerances with this specification as long as the contractor has experience in pouring sports courts to meet this tolerance and is experienced in proper finishing techniques to meet this tight specification. Do the courts need to meet ASBA tolerances for tennis court construction. (see ASBA recommendations below)

In order to drain properly and to be acceptable for play, the finished surface must be smooth and regular, lacking humps and dips. An even surface will not cause ball deflection or create a player tripping hazard. As a measure of evenness, the finished surface should not vary more than 1/4" in 10' when measured in any direction with a straightedge. Required leveling should be done by grinding down the high areas and filling the low areas with an approved patching material.

The court's finished slope should be 0.83% (1:120) to 1.00% (1:100). According to the ITF, the finished court should not vary more than +/- 3/8" from its designed elevation and grade. Planarity and slope are commonly measured with a transit or laser level.

Once completed, concrete should be prepared for the application of a surface coating since naturally occurring salts in the slab may prevent acrylic surface systems from adequately bonding. Generally, the concrete is acid-etched to clean it and to neutralize the salts. Next, the slab is primed with a primer approved by the manufacturer of the coating system.

RESPONSE 1: A 60' mechanical screed is not required to lay the slab as long as the required tolerances listed in the specifications can be met. Courts must also meet ASBA tolerances for tennis court construction.

QUESTION 2: *6.02 (C) – The mixture will be applied over the court area where needed using a fourteen foot (14') long rubber tipped straight edge. After leveling course has cured, it will be compacted, once north – south, then once east west, with a minimum 3000 lb static roller (a vibratory roller may be used). Evenness deficiencies within the slab is typically patched/ filled with California Products Court Patch binder to ensure proper bonding with the acrylic surfacing.*

RESPONSE 2: A 14' long rubber tipped straight edge and 3,000 pound static roller does not need to be used. The slab may be patched/ filled with California Products court patch binder to ensure proper bonding with the acrylic surfacing. Courts must meet ASBA tolerances for tennis court construction.

QUESTION 3: *6.03 (C) – The mixture will be applied over the entire court area using a thirty-inch (30") rubber tipped squeegee. After each finishing application will be compacted with a minimum 3000 lb static roller. One (1) finishing course will be applied and additional applications will be made as necessary to provide a uniform, rigid free surface. Evenness deficiencies within the slab is typically patched/ filled with California Products Court Patch binder to ensure proper bonding with the acrylic surfacing.*

RESPONSE 3: A 30" rubber tipped squeegee and 3,000 pound static roller does not need to be used. The slab may be patched/ filled with California Products court patch binder to ensure proper bonding with the acrylic surfacing. Courts must meet ASBA tolerances for tennis court construction.

QUESTION 4: *Plan sheet: S1.2, Detail #05 – Where is the pipe / conduit to be located or can this detail be eliminated?*

RESPONSE 4: There is no pipe, this detail is not applicable.

QUESTION 5: *L-8 (2) – Expansion joints @ 25' O.C. max or where noted. A: Please clarify where expansion board is to be 25' OC Max.*

RESPONSE 5: This is for sidewalks only.

QUESTION 6: *B: In addition; typically a soft cut machine to “score” control joints to a ¾” to 1” depth are cut @ the center fence line and along net lines to provide a weak point and control potential cracking to these areas that are outside the playing areas as to not affect play.*

RESPONSE 6: Score joints at these locations are to be added.

QUESTION 7: *Additional Recommendation: The ABSA recommends a vapor barrier below the concrete slab, please let us know if you’d like to include in price. (see ASBA recommendations below)*

Finally, a vapor barrier or vapor retarder system may be installed. This system often consists of two layers of 6 mil polyethylene sheeting, laid in opposite directions, overlapped and taped at the joints. It is beyond the scope of this manual, however, to provide guidelines or specifications for vapor barrier/retarder systems. These systems are site-specific and should be specified by the project design professional or a soils expert. For additional information regarding the installation of below-slab vapor barrier/retarder systems, specifiers should consult the appropriate industry sources such as ASTM E1745 *Standard Specification for Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs*, ACI 302.2R *Guide for Concrete Slabs that Receive Moisture-Sensitive Flooring Materials* or others.

Like the fine aggregate layer, the vapor barrier serves a second purpose of reducing slab-base friction as tendons are stressed and as the court contracts over time. The coefficient of friction (a measurement of the force resisting the lateral movement of solid materials) between the slab and the base can be reduced from 1.75 to 1.0 by the addition of a fine aggregate layer and to 0.75 by the use of polyethylene sheeting according to The Post-Tensioning Institute’s *Construction and Maintenance Procedures for Slab-On-Ground Construction*, making it ultimately far easier to tension the slab.

RESPONSE 7: Vapor barrier is to be added and priced per ASBA standards. Please refer to the attached detail. Structural will issue an updated drawing set with these changes prior to construction.

QUESTION 8: *Plan sheet: L-3, Detail #1 – Are Edward’s Round Pickleball posts, nets center strap and center anchor as an approved equal?*

RESPONSE 8: Yes, these are acceptable substitutes. (See attached spec sheets)

QUESTION 9: *Plan sheet: S2.1, Detail #101 – May we suggest removing the (2) #5’s and “pinch” bars and use only (1) #3 rebar along the top of the PT cables @ the “dead ends/ anchor sides” of the post tension slab to avoid possible honeycombing and reducing the amount of steel within the concrete which can later rust while still distributing strength of the anchor points along a greater area?*

RESPONSE 9: Pinch bars and (2) #5s are not to be installed. (1) #3 rebar along the top of the PT cables @ the “dead ends/ anchor sides” of the post tension slab is to be installed. Slab is not to be connected with post footer. Continuous footings are not to be constructed only the fence-post footer. Refer to the attached detail. Structural will issue an updated drawing set with these changes prior to construction.

QUESTION 10: *Plan sheet: S2.1, Detail #101 – Suggest moving the fence posts out so that the edge of the PT slab is centered within the post? This will prevent potential concrete blowout of the 4" wide piece behind the post during expansion/ contraction.*

RESPONSE 10: The fence locations are not to be moved. The PT slab limits shall be moved in 1'-0" to align with the fence post footers shown on the attached detail. The 8' fence post footers shall be 12" diameter and 36" deep, the 4' fence post footers shall be 12" diameter and 24" deep. Sufficient expansion joint material – 2 layers of ½" foam, shall be installed around the fence posts to allow for PT slab movement. The PT slab contractor shall coordinate with the fence contractor. Please refer to the attached detail. Structural will issue an updated drawing set with these changes prior to construction.

QUESTION 11: *Plan sheet: L-8, Detail #6 – Suggest installing a center anchor so that the courts meet USAPA guidelines of the net being 34" @ center?*

RESPONSE 11: Please include a center fence anchor in the bid per USAPA guidelines.

QUESTION 12: *Plan sheet: L-8, Detail #4, 5, 6 - note 7 & 3 – Suggest using (2) layers of ½" foam around all slab posts/ protrusions to allow for the estimated ¼" of expansion per every 40' of length given the slabs are 130' long. The tennis post sleeves and center anchor should also be foam wrapped & caulked/ sealed for the same reason.*

RESPONSE 11: (2) layers of ½" foam around all slab posts/ protrusions to allow for expansion shall be installed. Refer to the attached detail. Structural will issue an updated drawing set with these changes prior to construction.



EDWARDS TENNIS NET POST SPECIFICATIONS

EDWARDS CLASSIC ROUND NET POSTS

Material	11 Gauge Steel 3" O.D.
Fitted with	Aluminum Caps with stainless steel fixing pins Lacing Rods 3/16" welded to posts Allows net lacing to post Stops post at 42" above surface Internal Brass Winder with 3 1/4" Brass Pulley Worm Gear will not recoil Removable Handle Anchor end post has 2 5/16" hooks welded for net cable anchoring
Finish	Zinc dipped for rust protection inside and out Polyester Powder Coated finish is chip and fade resistant
Weight	48lb Available in Green or Black
OPTIONAL GROUND SLEEVES	
3.25 OD X .065 wall x 24" Hot Dip Galvanized Steel. Tube drilled through at the bottom to accommodate a 5/16" diameter hex bolt to stop the post. Tube capped on bottom with plastic cap for setting in concrete.	



EDWARDS 30LS TENNIS NET



Headband

.85mm Double Reinforced White Vinyl Coated Polyester with 4 rows White Polyester stitching with UV inhibitors.

Net Body

**Tapered from 42" to 36" center,
3.5 mm High Density Polyethylene Braided knotted 1 3/4" mesh.
41'6" x 42" h to fit 42' center to center net posts**

Features

Extra Heavy Duty Black Vinyl Coated Polyester side and bottom tapes with 2 rows of Black Polyester UV treated thread. Brass side grommets and Black Polyester Twine for lacing.

Side pockets with 1/2" Fiberglass Dowels

47' 5 mm Steel PVC coated Aircraft cable with 3700 lb breaking strength.

Weight 21.6 lb.

Warranty 3 yrs

ALL



EDWARDS CENTER STRAP

Heavy Duty Polyester 2" webbing Canvas Strap with UV Inhibitors
Double Ended Bolt Snap, Nickel Plated Steel
Edwards Logo Label
1-year warranty

CENTER ANCHOR

1.625" diameter x .098" wall galvanized steel tubing x 9.75" total length. Tube drilled to accommodate a 1/4" steel pin for strap hook. Pin welded in place



OTHER PROVISIONS OF THE CONTRACT DOCUMENTS AND TECHNICAL SPECIFICATIONS SHALL REMAIN IN THEIR ENTIRETY. CONTRACTOR HEREBY ACKNOWLEDGES RECEIPT AND UNDERSTANDING OF THE ABOVE AMENDMENT.